**A**

Alaska pipeline, 33  
Archimedian spiral, 14  
Aurora, 30  
  australis, 30  
  borealis, 30  
Auroral oval, 30

**B**

Balmer series, 21  
Binary Star Systems, 1  
Biological effects, 34  
Birkeland current, 30  
Black dwarf, 3  
Black hole, 3  
Blackbody, 24  
Bomb  
  atomic, 9  
  Hydrogen, 9  
Bremsstrahlung x-rays, 26, 32

**C**

Chromosphere, 12  
CME, 33  
Communications, 34  
Convective zone, 7  
Core, 7  
Corona, 7  
Coronal hole, 13, 33  
Coronal mass ejection, 33  
Coronium, 25

**D**

Deuterium, 9  
Dipole field, 29

**E**

Electromotive force, 30  
EMF, 30

**F**

Filaments, 22, 32  
Flare, 12  
Fraunhofer lines, 21  
Fusion  
  Hydrogen-Helium fusion, 7  
  Thermonuclear, 7

**G**

Gamma ray photons, 7  
Geomagnetic field  
  magnetic reconnection, 29  
  magnetopause, 29, 30  
  magnetosheath, 30  
  magnetotail, 29  
  polar cusp, 30  
Geomagnetic storm, 33  
Geomagnetosphere, 35  
GOES, 26

**H**

Helium Flash, 3  
Hydrogen bomb, 9  
Hydrogen burning stage, 1

**I**

Interplanetary magnetic field, 29  
Ionized particles, 29  
Ionosphere, 29

**M**

Magnetic field, dipole, 29  
Magnetic reconnection, 29  
Magnetograms, 17  
Magnetohydrodynamics, 36  
Magnetopause, 29, 30  
Magnetsheath, 30  
Magnetotail, 29  
Maunder Minimum, 18  
McIntosh classification, 20  
MHD, 36

**N**

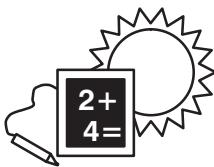
Neutron star, 3

**P**

Particles, ionized, 29  
Penumbra, 18  
Photons, gamma ray, 7  
Photosphere, 7, 9  
Plage, 12  
Planetary Nebula, 3  
Polar cusp, 30  
Prominence, 14  
Protostars, 1  
Pulsars, 3

**R**

Radiation  
  blackbody, 24  
  Bremsstrahlung x-rays, 26, 32  
  synchrotron, 27  
Radiative layer, 7  
Radio, 34  
Reconnection, 29  
Red giant, 2

**S**

Satellites, 34  
GOES, 26  
Skylab, 23

Skylab, 23

Solar activity  
coronal hole, 13  
filaments, 22, 32  
flare, 12  
plage, 12  
prominence, 14  
solar wind, 13  
spicules, 12  
sunspot, 17

Solar atmosphere  
Balmer series, 21  
characteristics, 10, 11  
Fraunhofer lines, 21

Solar eclipse, 12

Solar wind, 13

Spectroheliograph, 22

Spicules, 12

Stars  
binary systems, 1  
evolution, 1

Stellar evolution, 1  
black dwarf, 3  
black hole, 3  
Hydrogen burning stage, 1  
neutron star, 3  
protostars, 1  
red giant, 2  
supernova, 3  
white dwarf, 3

Sun  
chromosphere, 12  
convective zone, 7  
core, 7  
corona, 7  
photosphere, 7, 9  
radiative layer, 7

Sun-year, 1

Sunspot, 17  
cycle, 18  
McIntosh classification, 20  
Zurich system, 20

Supernova, 3  
Synchrotron radiation, 27

**T**

Thermonuclear Fusion, 7  
Tokamaks, 9

**U**

Umbral, 18

**W**

White dwarf, 3

**Z**

Zeeman effect, 18  
Zurich system, 20